



AT2300 AllTouch® Remote Control



Bringing the Interactive Experience Home™



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Printed in USA www.scientificatlanta.com
Part Number 745466 Rev B December 2002

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by Scientific-Atlanta could void the user's authority to operate this equipment.

Explorer is a registered trademark of Scientific-Atlanta, Inc. "Bringing the Interactive Experience Home" and VCR Commander are trademarks of Scientific-Atlanta, Inc. All other trademarks shown are trademarks of their respective owners.

Controlling Another Set-Top Device

Unlocking the Remote

Your cable set-top device code is "locked" to keep you from changing the CBL code unintentionally. If you need to program the remote to operate a different cable set-top device, use the following steps to unlock the remote.

1. Press and hold **SELECT** and **CBL** until the light blinks twice.
2. Using the keypad on the remote, press **9 9 6**.
3. Press **CH-** to unlock the set-top device code.

Result: You can now set up your cable device with the following procedure.

Programming for Cable Operation

Use the following steps if you need to program the remote to operate a different cable set-top device.

1. Locate your cable brand in the **Cable Setup Codes** section in this guide. If your brand is not listed, see **Searching the Code Library**.
2. **Important:** Make sure your cable device is turned on.
3. Point the remote *away* from the cable set-top device, TV, and VCR.
4. Press and hold **SELECT** and **CBL** until the light blinks twice.
5. Enter the setup code for your cable device. The light on the remote should blink twice. If not, try another setup code, if available; or go to **Searching the Code Library**.
6. Point the remote *toward* the cable device and test the **POWER** function by pressing **CBL**.

Cable Setup Codes

The default cable setup code is 0458.

Scientific-Atlanta	0491 (analog), 0891 (digital), 0458 (combination)
General Instrument	0490
Jerrold	0490
Motorola	0490
Pioneer	0891
Vidtech	0258

Programming the Remote Control

Introduction

The AT2300 AllTouch® Remote Control (remote) can do the job of three separate remote controls. You can program the remote to operate your TV, VCR, and cable set-top device using the procedures in this guide.

Note: If you have questions about the operation of this remote, contact your cable service provider.

Programming for TV Operation

You can program the remote to operate various TV functions, such as power, volume, and mute.

Note: Your cable service provider may have programmed your remote to control the volume through your cable set-top device instead of through the TV. If that is the case, you can re-program your remote to control the volume through your TV. See **Programming for Volume Control** on page 3 of this guide.

1. Locate your TV brand and TV setup code in the table in this guide. If your brand is not listed, see **Searching the Code Library**.
2. **Important:** Turn on your TV.
3. Point the remote *away* from the cable set-top device, TV, and VCR.
4. Press and hold **SELECT** and **TV** until the light blinks twice.

5. Enter the setup code for your TV. The light on the remote should blink twice. If not, try another setup code, if available; or go to **Searching the Code Library**.
6. Point the remote *toward* the TV and test the **POWER**, **VOLUME**, and **MUTE** functions.

Note: If these functions do not operate, enter the next setup code from the list, and repeat this procedure from step 1.

Programming for VCR Operation

You can program the remote to operate your VCR. After you switch the remote to VCR operation, you can play, fast-forward, pause, rewind, or stop a VCR tape.

If you want the DHCT to manage the recording of events with your VCR, you must use the VCR Commander™ Service. (See the *VCR Commander Service User's Guide* for more information or ask your cable service provider.) Without this service, you must manually set up your VCR to record programs.

1. Move the VCR/VOD slide switch on the remote to the **VCR** position.
2. **Important:** Turn on your VCR.
3. Locate your VCR brand and setup code in the table in this guide. If your brand is not listed, see **Searching the Code Library**.
4. Point the remote *away* from the cable set-top device, the TV, and the VCR.
5. Press and hold **SELECT** and **VCR** until the light blinks twice.
6. Enter the setup code for your VCR. The light on the remote should blink twice. If not, try another setup code, if available; or go to **Searching the Code Library**.
7. Point the remote *toward* the VCR and test the **POWER**, **PLAY**, and **STOP** functions. If these functions do not operate, enter the next setup code in the list, and repeat this procedure from step 2.

Record of Codes

When you determine the correct setup code for your devices, record your setup codes in the following table for future reference.

TV			
VCR			
CBL			

Programming for Volume Control

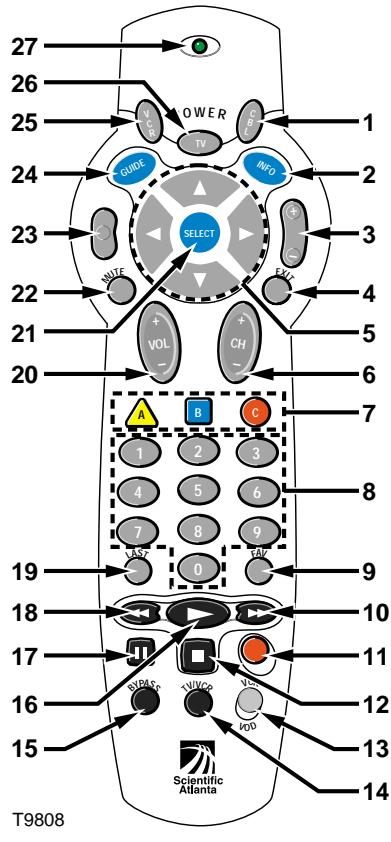
You can program the remote control to control the volume and mute functions through the Explorer DHCT or through your TV. The default setting is to control the volume through the TV.

Note: For Explorer DHCTs, press the **SETTINGS** key to access the General Settings menu on-screen, and make sure that the Audio: Volume Control setting is set to "Variable."

1. Point the remote *away* from the Explorer DHCT, the TV, and the VCR.
2. Press and hold **SELECT** and **CBL** at the same time, until the light on the remote blinks twice.
3. Using the keypad on the remote, press **9 9 3**. The light on the remote blinks twice.
4. Press **TV** or **CBL**, depending on which device is set to control the volume. The light on the remote blinks twice to confirm a valid selection.
5. Point the remote *toward* the device on which you chose to control the volume, and then press **VOL+** and **VOL-** to confirm that the correct device adjusts the volume.

Your cable service provider may ask for your serial number if your system requires troubleshooting in the future.

AT2300 AllTouch® Remote Control Quick Reference



Important: Program the remote control before you use the cable set-top device. See **Programming the Remote Control** for instructions.

Power

- 1 POWER Cable set-top device on or off
- 25 VCR VCR on or off
- 26 TV TV on or off
- 27 LIGHT Light

Sound

- 22 MUTE Mutes sound
- 20 VOL Adjusts volume

Screens

- 3 PAGE UP/PAGES DOWN Pages Up/Pages Down
- 4 EXIT Hides interactive screen
- 7 A, B, C Activates on-screen choices
- 16 GUIDE Displays interactive program guide
- 23 DHCT Displays DHCT settings
- 5 DIRECTIONAL MOVES Moves through interactive screen choices
- 17 PAUSE Pauses VCR/VOD
- 21 SELECT Chooses interactive screen item

Device Control

- 13 VCR/VOD Switches control between your VCR and Video-On-Demand (VOD) program
- 14 TV/VCR Controls the TV/VCR function on your VCR
- 15 BYPASS Controls the Bypass option, if applicable

Channels

- 2 INFO Displays channel information
- 6 CH Selects channels, up or down
- 8 CHANNEL Allows you to enter channel numbers (or enter your parental control PIN)
- 9 FAVORITES Views favorite channels
- 19 LAST Returns to last channel viewed

VCR/VOD

- 10 PLAY Fast forwards VCR/VOD
- 11 RECORD Records VCR program
- 12 STOP Stops VCR/VOD
- 18 REWIND Rewinds VCR/VOD
- 16 PLAY PAUSES Plays VCR/VOD

Replacing the Batteries

Your remote control requires two AA *alkaline* batteries. Use the following procedure to replace the batteries.

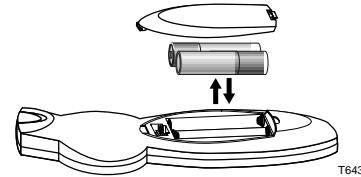
Note: If the light on your remote flashes twice whenever you press a key, the batteries are weak and should be replaced.

! CAUTION:
Make sure you correctly align the positive (+) and negative (-) terminals on the batteries to the corresponding terminals in the remote control.

- Press forward and lift the lever on the back cover of the remote control. The battery cover releases, and then you can pull up the cover to remove it.



- Remove and safely dispose of the old batteries.
- Insert and firmly seat two new AA batteries (alkaline required) into the battery compartment.
- Slide the battery cover back onto the remote control, and snap the cover into place.



TV Setup Codes

You must enter all four digits to program the TV setup codes.

TV Brand Codes

AOC	0044
Admiral	0107, 0477
Aiko	0106
Akai	0044
Alaron	0193
America Action	0194
Ampro	0765
Anam	0194
Audiovox	0106, 0194, 0465, 0637
Baysonic	0194
Bell & Howell	0030, 0168
Bradford	0194
Broksonic	0250, 0477
CXC	0194
Candle	0044
Carnivale	0044
Carver	0068
Celebrity	0014
Cineral	0465, 0106
Citizen	0044, 0074, 0106
Contec	0194
Craig	0194
Crosley	0068
Crown	0194
Curtis Mathes	0074, 0044, 0030, 0061, 0065, 0068, 0107, 0159, 0168, 0180, 0465
Daewoo	0106, 0637, 0638, 0465
Denon	0159
Dumont	0031
Dwin	0734
Electroband	0014
Emerson	0250, 0194, 0192, 0193, 0477, 0638, 0637, 0168
Envision	0044
Fisher	0168
Fujitsu	0193, 0697
Funai	0194, 0185, 0193
Futuretech	0194
GE	0035, 0061, 0065, 0192, 0465, 0107
Gibralter	0031, 0044
GoldStar	0192, 0044
Gradiante	0067
Grunpy	0193, 0194

VCR Setup Codes

You must enter all four digits to program the VCR setup codes.

VCR Brand Codes

Admiral	0062, 0223	JVC	0081	RCA	0074, 0056, 0049, 0062, 0254
Adventura	0014	KEC	0051	Radio Shack	0014
Aiwa	0014, 0051	KLH	0086	Radix	0051
American High	0049	Kenwood	0081	Randex	0051
Asha	0254	Kodak	0049, 0051	Realistic	0014, 0118, 0061, 0062, 0051, 0049
Audiovox	0051	LXI	0051	ReplayTV	0628, 0630
Beaumark	0254	Lloyd's	0014	Runco	0053
Bell & Howell	0118	Logik	0086	STS	0056
Broksonic	0135, 0198, 0223	MEI	0049	Samsung	0059, 0254
CCE	0086	MGA	0057, 0254	Sankyo	0053, 0062
Calix	0051	MGN Technology	0254	Sansui	0014, 0081, 0223
Canon	0049	MTC	0014, 0254	Sanyo	0061, 0118, 0254
Carver	0095	Magnavox	0049, 0095, 0014, 0053	Scott	0198, 0135, 0057, 0059
Citizen	0051	Magnin	0254	Sears	0051, 0056, 0014, 0049, 0061, 0118
Colt	0086	Marantz	0095, 0049	Semp	0059
Craig	0051, 0086, 0061, 0254	Marta	0051	Sharp	0062
Curtis Mathes	0049, 0074, 0176	Matsushita	0049, 0176	Shintom	0086
Cybernex	0254	Memorex	0118, 0061, 0014, 0051, 0062, 0049, 0254, 0053, 0176, 0223	Shogun	0254
Daewoo	0057, 0062, 0081	Minolta	0056	Singer	0086
Denon	0059	Mitsubishi	0057, 0062, 0081	Sony	0047, 0046, 0014, 0049, 0050
Dumont	0031	Motorola	0049, 0062	Sylvania	0049, 0095, 0014, 0057
Dwin	0734	Multitech	0014, 0086	Symphonic	0014
Electroband	0014	NEC	0081, 0118	TMK	0254
Emerson	0250, 0194, 0192, 0193, 0477, 0638, 0637, 0168	Electrohome	0051	Teac	0014
Envision	0044	Tandy	0107	Technics	0049, 0176
Fisher	0168	Technics	0065, 0264	Teknika	0014, 0049, 0051
Fujitsu	0193, 0697	Nikko	0051	Thomas	0014
Funai	0194, 0185, 0193	Noblex	0254	Tivo	0632, 0650
Futuretech	0194	Olympus	0049	Toshiba	0059, 0057
GE	0035, 0061, 0065, 0192, 0465	Optimus	0176, 0062, 0051, 0118	Toteline	0051, 0254
Gibralter	0031, 0044	Fisher	0061, 0118	Unitech	0254
GoldStar	0192, 0044	Fuji	0047, 0049	Vector	0059
Gradiante	0067	Funai	0014	Video Concepts	0059
Grunpy	0193, 0194	GE	0049, 0074, 0062, 0254	Videosonic	0254
				Wards	0049, 0074, 0014, 0061, 0254, 0056, 0062, 0086, 0095
				White Westinghouse	0086, 0223
				XR-1000	0086, 0014, 0049
				Zenith	0053, 0014, 0047, 0223